

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) An optical pickup apparatus comprising:

a carriage body;

an optical parts accommodation module mounted on said carriage body and accommodating at least (i) a light beam emitting portion for emitting a light beam, (ii) a light beam receiving portion, (iii) a beam splitter and (iv) a grating for generating a sub beam for a tracking adjustment out of the light beam emitted from said light beam emitting portion; and

a grating adjustment mechanism for rotating said optical parts accommodation module,

said optical parts accommodation module being mounted on said carriage body in such a condition that said optical parts accommodation module is allowed to rotate with an axis line of the light beam, which is irradiated toward a disc, as a rotational center,

said grating adjustment ~~structure~~ mechanism having a cam plane ~~abut to an abut~~ abutting an adjacent plane formed at a portion apart from the axis line ~~of said optical parts accommodation module~~ and including a slide cam member mounted in such a condition that said slide cam member is regulated to be movable on a straight line with respect to said carriage body.

2. (Original) An optical pickup apparatus according to claim 1, wherein said slide cam

member is movable on the straight line in parallel to a plane including the axis line.

3. (Original) An optical pickup apparatus according to claim 2, wherein said cam plane is inclined with respect to the straight line.

4. (Original) An optical pickup apparatus according to claim 1, wherein said slide cam member comprises an engagement aperture portion with which a driver for a grating adjustment is engaged.

5. (Original) An optical pickup apparatus according to claim 1, wherein said optical parts accommodation module comprises:

an annular guide portion disposed around an opening through which the light beam is irradiated to an external portion thereof with the axis line of the light beam as a center; and

a circular arc protrusion with the axis line as a center on a line extended from the axis line.

6. (Original) An optical pickup apparatus according to claim 5, wherein said carriage body comprises:

a V shaped supporting portion for supporting said annular guide portion; and

a V shaped supporting portion for supporting said circular arc protrusion.

7. (Currently Amended) An optical parts accommodation module mounted on an optical pickup apparatus comprising:

a casing body;

at least (i) a light beam emitting portion, (ii) a light beam receiving portion, (iii) a beam splitter for ~~branching splitting a going path~~ an outgoing light beam, which is directed toward a disc from said light beam emitting portion, from a returning ~~path~~ light beam, which is directed toward said light beam receiving portion from said disc and (iv) a grating for generating a sub beam for a tracking adjustment out of a light beam emitted from said light beam emitting portion, which are accommodated in said casing body; and
an opening portion formed in said casing body, through which the light beam is irradiated to an external portion toward said disc,

said casing body comprising an annular guide portion disposed around the opening with an axis line of the light beam irradiated through the opening as a center, a circular arc protrusion with the axis line as a center on a line extended from the axis line, and an ~~abut~~ abutting plane which is formed at a portion apart from the axis line ~~of said optical parts accommodation module~~ and to which a grating adjustment member ~~of said casing body~~ abuts with the axis line as a center thereof.

8. (New) An optical apparatus comprising:

a module comprising a light source that emits a light beam and a grating that generates a sub beam from the light beam; and

a module rotator that rotates the module,
wherein the module rotates about an axis of the light beam, which is irradiated toward a recording medium, and
wherein the module rotator has a cam plane that abuts a plane formed apart from the axis and has a slide cam member that moves.

9. (New) An optical apparatus according to claim 8, wherein said slide cam member moves on a straight line that is parallel to a plane that includes the axis.

10. (New) An optical apparatus according to claim 9, wherein said cam plane is inclined with respect to the straight line.

11. (New) An optical apparatus according to claim 8, wherein said slide cam member comprises an engagement aperture portion with which a driver for the module rotator is engaged.

12. (New) An optical pickup apparatus according to claim 1, wherein the module rotator comprises:

an annular guide disposed around an opening through which the light beam is irradiated, wherein the axis of the light beam is substantially at a center of the opening; and

a circular arc protrusion, wherein the axis of the light beam is substantially at a center of the circular arc protrusion.

13. (New) An optical pickup apparatus according to claim 12, further comprising:
a carriage body that comprises a first concave-shaped support that supports said annular guide and that comprises a second concave-shaped support that supports said circular arc protrusion.